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Abstract

An object of the present invention is to provide a varnish composition which can achieve totally and with good balance the improvement in various properties including electrical properties such as residual charge, a voltage holding ratio and image sticking, a pre-tilt angle, coating property, alignment property, and so on, which are desired for a liquid crystal aligning film formed. The varnish composition comprises polymer ingredients containing polyamic acid B represented by formula (1), polyamic acid A represented by formula (2) having a side chain of not less than 3 carbon atoms and N-substituted polyamide represented by formula (3), and a solvent for dissolving the polymer ingredients. The varnish composition contains 0.1 to 40% by weight of the polymer ingredients.

$$\begin{array}{c}
+ NH - 0C \\
+ 00C \\
\hline
\end{array}$$
R₁ C₀ - NH - R² $\frac{1}{2}$ (1)

$$+NH-0C \xrightarrow{\mathbb{R}^{1}} CO-NH-\mathbb{R}^{2} \xrightarrow{\mathbb{L}},$$

$$+OOC \xrightarrow{} COOH$$
(2)